

$^7\text{Li}(^9\text{Be},\alpha)^7\text{Li}$     2005So13

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

**2004So19:**  $^7\text{Li}(^9\text{Be},\alpha+^7\text{Li})$ , E=70 MeV; measured excitation energy spectra.  $^{11}\text{B}$  deduced excited states  $\alpha$ -decay features, cluster structure.

**2004So28:**  $^7\text{Li}(^9\text{Be},\alpha+^7\text{Li})$ , E=70 MeV; measured particle spectra.  $^{11}\text{B}$  deduced excited states J,  $\pi$ ,  $\alpha$ -decay properties, rotational bands, cluster structure.

**2005So13:**  $^7\text{Li}(^9\text{Be},\alpha+^7\text{Li})$ , E=55, 70 MeV; measured excitation energy spectra.  $^{11}\text{B}$  deduced excited states energies, configurations.

 $^{11}\text{B}$  Levels

E(level)	Comments
$9.3 \times 10^3$	
$10.2 \times 10^3$	
$10.55 \times 10^3$	
$11.2 \times 10^3$	
$11.4 \times 10^3?$	
$11.8 \times 10^3$	
$12.5 \times 10^3$	
$13.0 \times 10^3?$	
$13.1 \times 10^3$	participation of $^8\text{Be}^*(0, 3.04)$ and $^7\text{Li}^*(4.65, 6.6)$ is found In the kinematic reconstruction of these levels.
$14.0 \times 10^3?$	
$14.35 \times 10^3$	participation of $^8\text{Be}^*(0, 3.04)$ and $^7\text{Li}^*(4.65, 6.6)$ is found In the kinematic reconstruction of these levels.
$17.4 \times 10^3?$	participation of $^8\text{Be}^*(0, 3.04)$ and $^7\text{Li}^*(4.65, 6.6)$ is found In the kinematic reconstruction of these levels.
$18.6 \times 10^3?$	